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RAW SEQUENCE LISTING                      DATE: 01/04/2001  
 PATENT APPLICATION: US/09/555,780        TIME: 08:39:59

Input Set : A:\Pto.amc  
 Output Set: N:\CRF3\01042001\I555780.raw

```

3 <110> APPLICANT: INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE
4      M
5      CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
6      (C.N.
7      INSTITUT PASTEUR DE LILLE
8      GRAS-MASSE, Helene
9      BOSSUS, Marc
10     LIPPENS, Guy
11     WIERUSZESKI, Jean-Michel
12     TARTAR, Andre
13     GUILLET, Jean-Gerard
14     BOURGAULT-VILLADA, Isabelle
16 <120> TITLE OF INVENTION: Mixed lipopeptide micelles for inducing an immune
17     response and their therapeutic uses.
19 <130> FILE REFERENCE: Lipopeptides-INSERM
C--> 21 <140> CURRENT APPLICATION NUMBER: US/09/555,780
C--> 22 <141> CURRENT FILING DATE: 2000-06-02
24 <150> PRIOR APPLICATION NUMBER: FR9715246
25 <151> PRIOR FILING DATE: 1997-12-03
27 <160> NUMBER OF SEQ ID NOS: 284
29 <170> SOFTWARE: PatentIn Ver. 2.1
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 14
33 <212> TYPE: PRT
34 <213> ORGANISM: Clostridium tetani
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48 <221> NAME/KEY: LIPTD
49 <222> LOCATION: (33)
50 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
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66 <212> TYPE: PRT
67 <213> ORGANISM: Human immunodeficiency virus
69 <220> FEATURE:

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70 <221> NAME/KEY: LIPID
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72 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
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75 Thr Gln Gly Tyr Phe Pro Asp Trp Gln Asn Tyr Thr Pro Gly Pro Gly
76 1 5 10 15
78 Val Arg Tyr Pro Leu Thr Phe Gly Trp Cys Tyr Lys Leu Val Pro Lys
79 20 25 30
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88 <212> TYPE: PRT
89 <213> ORGANISM: Human immunodeficiency virus
91 <220> FEATURE:
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93 <222> LOCATION: (25)
94 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
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98 1 5 10 15
100 Leu His Pro Glu Tyr Phe Lys Asn Lys
101 20 25
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106 <211> LENGTH: 33
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116 Asp Leu Asn Thr Met Leu Asn Thr Val Gly Gly His Gln Ala Ala Met
117 1 5 10 15
119 Gln Met Leu Lys Glu Thr Ile Asn Glu Glu Ala Ala Glu Trp Asp Arg
120 20 25 30
122 Lys
127 <210> SEQ ID NO: 6
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130 <213> ORGANISM: Human immunodeficiency virus
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138 Asn Pro Pro Ile Pro Val Gly Glu Ile Tyr Lys Arg Trp Ile Ile Leu
139 1 5 10 15
141 Gly Leu Asn Lys Ile Val Arg Met Tyr Ser Pro Thr Ser Ile Leu Asp
142 20 25 30
144 Lys

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/555,780

DATE: 01/04/2001

TIME: 08:39:59

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163 Arg Ala Phe Tyr Ala Thr Gly Glu Ile Ile Gly Asp Ile Arg Gln Ala
164 20 25 30
166 His Lys
171 <210> SEQ ID NO: 8
172 <211> LENGTH: 10
173 <212> TYPE: PRT
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178 1 5 10
182 <210> SEQ ID NO: 9
183 <211> LENGTH: 9
184 <212> TYPE: PRT
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189 1 5
193 <210> SEQ ID NO: 10
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196 <213> ORGANISM: Human immunodeficiency virus
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200 1 5 10
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205 <211> LENGTH: 10
206 <212> TYPE: PRT
207 <213> ORGANISM: Human immunodeficiency virus
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211 1 5 10
215 <210> SEQ ID NO: 12
216 <211> LENGTH: 10
217 <212> TYPE: PRT
218 <213> ORGANISM: Human immunodeficiency virus
220 <400> SEQUENCE: 12
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222 1 5 10

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Input Set : A:\Pto.amc  
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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/555,780  
 DATE: 01/04/2001  
 TIME: 08:39:59

Input Set : A:\Pto.amc  
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317 <213> ORGANISM: Human immunodeficiency virus
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325 <210> SEQ ID NO: 22
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327 <212> TYPE: PRT
328 <213> ORGANISM: Human immunodeficiency virus
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336 <210> SEQ ID NO: 23
337 <211> LENGTH: 27
338 <212> TYPE: PRT
339 <213> ORGANISM: Simian immunodeficiency virus
341 <220> FEATURE:
342 <221> NAME/KEY: LIPID
343 <222> LOCATION: (27)
344 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
347 <400> SEQUENCE: 23
348 Ser Val Arg Pro Lys Val Pro Leu Arg Ala Met Thr Tyr Lys Leu Ala
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351 Ile Asp Met Ser His Phe Ile Lys Glu Lys Lys
352 20 25
356 <210> SEQ ID NO: 24
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358 <212> TYPE: PRT
359 <213> ORGANISM: Simian immunodeficiency virus
361 <220> FEATURE:
362 <221> NAME/KEY: LIPID
363 <222> LOCATION: (24)
364 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
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368 1 5 10 15
370 Ile Leu Asp Met Tyr Leu Glu Lys
371 20
375 <210> SEQ ID NO: 25
376 <211> LENGTH: 25

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VERIFICATION SUMMARY                      DATE: 01/04/2001  
PATENT APPLICATION:    US/09/555,780              TIME: 08:40:00

Input Set : A:\Pto.amc  
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L:21 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:22 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:379 M:283 W: Missing Blank Line separator, <220> field identifier

Serial Number: 09/555,780

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☒ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.